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PTO/SB/01 (10-00)

Approved for use through 10/31/2002. OMB 0651-0032

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**DECLARATION FOR UTILITY OR
DESIGN
PATENT APPLICATION
(37 CFR 1.63)**

☐ Declaration
Submitted With Initial
Filing

OR

☒ Declaration
Submitted after Initial
Filing (surcharge
(37 CFR 1.16 (e))
required)

Attorney Docket Number CH2751 US NA

First Named Inventor Peter Michael Murphy

COMPLETE IF KNOWN

Application Number 09/669,477

Filing Date 09/25/2000

Group Art Unit 1771

Examiner Name

As a below named inventor, I hereby declare that:

My residence, mailing address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Liquid Impermeable Barrier

the specification of which (Title of the Invention)

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 09/25/2000 as United States Application Number or PCT International

Application Number 09/669,477 and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:

I hereby claim the benefit under 35 U.S.C. 119(e) of any United States provisional application(s) listed below.

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.
60/158,786	10/12/1999	

[Page 1 of 2]

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



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DECLARATION — Utility or Design Patent Application

Direct all correspondence to:		<input checked="" type="checkbox"/> Customer Number or Bar Code Label		23906		OR <input type="checkbox"/> Correspondence address below	
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Address							
Address							
City				State		ZIP	
Country			Telephone			Fax	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.							
NAME OF SOLE OR FIRST INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
Peter Michael				Murphy			
Inventor's Signature						Date	
<i>Peter Michael Murphy</i>						11-Dec-00	
Residence: City		State		Country		Citizenship	
Ooltewah		TN		U.S.A.		U.S.A.	
Mailing Address 5024 Branston Road							
Mailing Address							
City		State		ZIP		Country	
Ooltewah		TN		37363		U.S.A.	
NAME OF SECOND INVENTOR:				<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])				Family Name or Surname			
James Thomas				Summers			
Inventor's Signature						Date	
<i>James Thomas Summers</i>						14 DEC. 00	
Residence: City		State		Country		Citizenship	
Hendersonville		TN		U.S.A.		U.S.A.	
Mailing Address 1066 Hillview Drive							
Mailing Address							
City		State		ZIP		Country	
Hendersonville		TN		37075-8526		U.S.A.	
<input checked="" type="checkbox"/> Additional inventors are being named on the <u>one</u> supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.							

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DECLARATION**ADDITIONAL INVENTOR(S)**
Supplemental Sheet
Page 3 of 3

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Prentice Lee		Huffines	
Inventor's Signature <i>Prentice Lee Huffines</i>		Date <i>14 Dec .00</i>	
Residence: City	Old Hickory	State	TN
Country	U.S.A.	Citizenship	U.S.A.
Mailing Address 114 Fields Drive			
Mailing Address			
City	Old Hickory	State	TN
ZIP	37138	Country	U.S.A.
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
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ZIP		Country	
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
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App. for use through 10/31/2002. OMB 0651-0035
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/669,477
	Filing Date	09/25/2000
	First Named Inventor	Peter Michael Murphy
	Group Art Unit	1771
	Examiner Name	
	Attorney Docket Number	CH2751 US NA

I hereby appoint:

☐ Practitioners at Customer Number

23906

OR

☒ Practitioner(s) named below:



Name	Registration Number
Nancy S. Mayer	29,190
Lucas K. Shay	34,724
Kathryn M. Sanchez	43,081

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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Individual Name

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I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Peter Michael Murphy
Signature	
Date	11-Dec-00

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of three forms are submitted.

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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Application Number	09/669,477
	Filing Date	0925/2000
	First Named Inventor	Peter Michael Murphy
	Group Art Unit	1771
	Examiner Name	
	Attorney Docket Number	CH2751 US NA

I hereby appoint:

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☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name	Prentice Lee Huffines
Signature	<i>Prentice Lee Huffines</i>
Date	14 DEC 00

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of three forms are submitted.

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**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/669,477
Filing Date	09/25/2000
First Named Inventor	Peter Michael Murphy
Group Art Unit	1771
Examiner Name	
Attorney Docket Number	CH2751 US NA

I hereby appoint:

☐ Practitioners at Customer Number

23906

OR

☒ Practitioner(s) named below:



Name	Registration Number
Nancy S. Mayer	29,190
Lucas K. Shay	34,724
Kathryn M. Sanchez	43,081

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

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I am the:

☒ Applicant/Inventor.

☐ Assignee of record of the entire interest. See 37 CFR 3.71.

Certificate under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

SIGNATURE of Applicant or Assignee of Record

Name James Thomas Summers

Signature

Date

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of three forms are submitted.

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UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

MARCH 16, 2001

PTAS
E. I. DU PONT DE NEMOURS AND COMPANY
NANCY S. MAYER
1007 MARKET STREET
LEGAL-PATENTS
WILMINGTON, DELAWARE 19898



101576771A

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RECORDATION DATE: 12/18/2000

REEL/FRAME: 011399/0443
NUMBER OF PAGES: 2

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

MURPHY, PETER MICHAEL

DOC DATE: 10/02/2000

ASSIGNOR:

SUMMERS, JAMES THOMAS

DOC DATE: 10/05/2000

ASSIGNOR:

HUFFINES, PRENTICE LEE

DOC DATE: 10/05/2000

ASSIGNEE:

E. I. DU PONT DE NEMOURS AND
COMPANY
1007 MARKET STREET
LEGAL-PATENTS
WILMINGTON, DELAWARE 19898

SERIAL NUMBER: 09669477

PATENT NUMBER:

FILING DATE: 09/25/2000

ISSUE DATE:

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N.S. MAYER

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Patent and Trademark Office**M COVER SHEET
ONLY**

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To the Honorable

101576771

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☐ Correction of PTO Error

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Frame # _____

☐ Corrective Document

Reel # _____

Frame # _____

Data Element in Question : _____

2. Conveyance Type:

☒ Assignment☐ Security Agreement☐ License☐ Change of Name☐ Merger☐ Other _____

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☐ Departmental File☐ Secret FileTotal No. of pages of conveyance document including
attachments _____

4. Name of conveying party(ies):

¹Murphy, Peter Michael²Summers, James Thomas³Huffines, Prentice LeeAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoExecution Date: ¹10/2/2000²10/5/2000³10/5/2000

5. Name and address of receiving party(ies):

**E. I. DU PONT DE NEMOURS AND COMPANY
LEGAL PATENTS****1007 MARKET STREET****WILMINGTON, DELAWARE 19898**Additional name(s) & address(es) attached? ☐ Yes ☒ No

5. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s): **09/669,477**

B. Patent No.(s):

Docket No.: **CH-2751 US NA**Additional numbers attached: ☐ Yes ☒ No

6. Correspondent Name & Address:

NANCY S. MAYER**E. I. DU PONT DE NEMOURS AND COMPANY****LEGAL-PATENTS****1007 MARKET STREET****WILMINGTON, DELAWARE 19898**7. Total number of applications and patents involved: 18. Total fee (37 CFR 3.41)..... \$40.00☐ Enclosed (Check No.: _____)☒ Authorized to be charged to deposit account9. Deposit account number: 04-1928

(Attach duplicate copy of this page if paying by deposit account)

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10. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy
of the original document.**CAROL REEDER****SENIOR LEGAL CLERK**

Signature

Date

Total number of pages comprising cover sheet: 1

01/09/2001 NTHAI1 00000151 041928 09669477

01 FEB01 40.00 CH

ASSIGNMENT

We, the undersigned

Hereby declare that

We are the true and first inventors of an invention entitled

Improved Liquid Impermeable Barrier for Carpet

and which is disclosed in United States Patent Application No. filed on (and which is identified as Case Number **CH2751 US NA**).

For valuable consideration, the receipt and adequacy of which is hereby acknowledged and in fulfillment of our pre-existing obligation of assignment, we hereby:

I. Sell, assign, and transfer unto **E. I. du Pont de Nemours and Company**, a corporation organized and existing under the laws of the State of Delaware in the United States of America and having its principal place of business at Wilmington, Delaware, hereinafter referred to as the assignee, (A) the sole and entire right, title, and interest in and to: (1) the aforesaid application for Letters Patent, (2) any priority rights derived from the aforesaid application for Letters Patent by virtue of the International Convention for the Protection of Industrial Property and any other treaty or understanding for intellectual property for any and all member countries of the aforesaid International Convention or other treaty or understanding, (3) any and all our inventions, whether joint or sole, disclosed in the aforesaid application for Letters Patent, (4) any and all applications for Letters Patent for any such inventions in any country whatsoever, (5) any and all patents for any such inventions in any country whatsoever; and (B) the sole right to (1) file such applications in its name or ours, (2) to file such applications under the aforesaid International Convention or other treaty or understanding, (3) have said patents granted in its name or ours, and (4) enforce said patents and to sue for and recover profits and damages for any and all infringements thereof whether past or future; and

II. Agree, whenever requested, to communicate to said assignee, its successors, assigns, and legal representatives, any facts known to us respecting said rights, to testify in any legal proceeding respecting said rights, to execute all applications, papers or instruments necessary or required by said assignee, its successors, assigns and legal representatives to carry into effect any of the provisions of this instrument, and generally to do everything possible to aid said assignee, its successors, assigns, and legal representatives to obtain and enforce proper patent protection for said inventions in any and all countries.

Peter Michael Murphy (L.S.)
Peter Michael Murphy
DATE: 2 - Oct - 2000

Prentice Lee Huffines (L.S.)
Prentice Lee Huffines
DATE: 10/5/00

James Thomas Summers (L.S.)
James Thomas Summers
DATE: 5 - Oct - 2000

*The application referred to above as Case Number CH2751 US NA was filed in the United States Patent Office on September 25, 2000, and was given Application No. 09/669,477.

This insertion made by me this 26th day of October, 2000.

Nancy S. Mayer
NANCY S. MAYER
Attorney/Patent Agent for Applicant
Registration No.: 29,190
Telephone: 302-892-0620
Facsimile: 302-892-0699